

NCBI Blast 2 Sequences results

PubMed

Entrez

BLAST

OMIM

Taxonomy

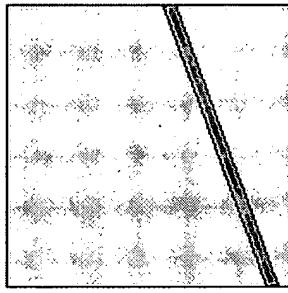
Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.10 [Oct-19-2004]

Match: Mismatch: gap open: gap extension:
 x_dropoff: expect: wordsize: Filter Align

Sequence 1 lcl|seq_1 Length 2112 (1 .. 2112)

Sequence 2 lcl|seq_2 Length 5859 (1 .. 5859)



1

NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE: If protein translation is reversed, please repeat the search with reverse strand of the query sequence

Score = 4061 bits (2112), Expect = 0.0
 Identities = 2112/2112 (100%)
 Strand = Plus / Plus

Query: 1 ggcaatgggtcgaaattcataagaattttgtgagggtcgtagcggctctgacaagggtg 60
 Sbjct: 402 ggcaatgggtcgaaattcataagaattttgtgagggtcgtagcggctctgacaagggtg 461

Query: 61 ctggcgaggatctctggctcaggtagggcacaatggagggtttagttccccctg 120

Sbjct: 462 |||||||ctgcgggagatctcggctcaggtagggcacaatggaggttagtgcggccctg 521

Query: 121 tatcgctctcgctggcattggcatcgtccggacatatgtatattccgcttagag 180
Sbjct: 522 tatcgctctcgctggcattggcatcgtccggacatatgtatattccgcttagag 581

Query: 181 gattactgatgttctgcgtcggttgcgggttgcgggttgcgggttgcgggttgc 240
Sbjct: 582 gattactgatgttctgcgtcggttgcgggttgcgggttgcgggttgcgggttgc 641

Query: 241 ggccctgtccctttgtcccgccctgtcctcaactttcaaaaaatggcgaaagc 300
Sbjct: 642 ggccctgtccctttgtcccgccctgtcctcaactttcaaaaaatggcgaaagc 701

Query: 301 ccttcgttctatgttctttagttcatcgaaaattacacataattatcaatagctt 360
Sbjct: 702 ccttcgttctatgttctttagttcatcgaaaattacacataattatcaatagctt 761

Query: 361 attcgcttaaaaggaggtaattggccgaaaaggaggtaattggccgaaaaggagg 420
Sbjct: 762 attcgcttaaaaggaggtaattggccgaaaaggaggtaattggccgaaaaggagg 821

Query: 421 aattggccgaaaaggaggtaattggccgatatcggtgtttacatggggaggaaatcc 480
Sbjct: 822 aattggccgaaaaggaggtaattggccgatatcggtgtttacatggggaggaaatcc 881

Query: 481 ccttaatcatttctcccatggaaagacacaatggccgacccggccatccgac 540
Sbjct: 882 ccttaatcatttctcccatggaaagacacaatggccgacccggccatccgac 941

Query: 541 cagacaaaactgtgtcccgagggtggcagagggtctatgcgcaatccggcc 600
Sbjct: 942 cagacaaaactgtgtcccgagggtggcagagggtctatgcgcaatccggcc 1001

Query:	661	gatgatgtcgccatgaaatgcggctggccgatttcgcgcaatcgcggatggct 660
Sbjct:	1002	cgccctgcggcgctcaagctcatgcatttaatgatagccactgcggccatggct 1061
Query:	661	gatgatgtcgccatgaaatgcggctggccgatttcgcgcaatcgcggatggatggaaac 720
Sbjct:	1062	gatgatgtcgccatgaaatgcggctggccgatttcgcgcaatcgcggatggaaac 1121
Query:	721	catgacccgtgagagccctgaccgcgtgtcgaggagctagccgcgttgaccat 780
Sbjct:	1122	catgacccgtgagagccctgaccgcgtgtcgaggagctagccgcgttgaccat 1181
Query:	781	gatgacccctgcaaaagatgtgacagtgcggggtttgcgtggatggggcgaaatagac 840
Sbjct:	1182	gatgacccctgcaaaagatgtgacagtgcggggtttgcgtggatggggcgaaatagac 1241
Query:	841	taccgcaggaggcaaggcggaactccatgtgacgtggacctccggagttccgt 900
Sbjct:	1242	taccgcaggaggcaaggcggaactccatgtgacgtggacctccggagttccgt 1301
Query:	901	cgtatggcgccatgtcgaaaccactggccattctcgaccgtcaaacggtattccatcc 960
Sbjct:	1302	cgtatggcgccatgtcgaaaccactggccattctcgaccgtcaaacggtattccatcc 1361
Query:	961	ggtagtaagtattccgtgtctgttccaggcacgtcttagtccgcataatcttgatgg 1020
Sbjct:	1362	ggtagtaagtattccgtgtctgttccaggcacgtcttagtccgcataatcttgatgg 1421
Query:	1081	atgaggcgaaaacctttacggtcccgagttgcggcgctttggagtgtccggggaa 1080
Sbjct:	1482	atgaggcgaaaacctttacggtcccgagttgcggcgctttggagtgtccggggaa 1481
Query:	1081	aagatgtttcggtggaaacgacgttaacagatttgcttcacactgcactggatgagatc 1140
Sbjct:	1541	atgaggcgaaaacctttacggtcccgagttgcggcgctttggagtgtccggggaa 1541

Query: 1141 aaccattttacgcgtatgacattgacggcaaaagccgaccaaaagattggccgtggca 1200
Sbjct: 1542 aaccattttacgcgtatgacattgacggcaaaagccgaccaaaagattggccgtggca 1601

Query: 1201 agtgtgactataaggctggaaagtgtaaaagacgacccaaaccgtcgcccaaggcgactggcg 1260
Sbjct: 1602 agtgtgactataaggctggaaagtgtaaaagacgacccaaaccgtcgcccaaggcgactggcg 1661

Query: 1261 ggttccaaggtcggtcgagatgctcgcaaggggcaggggaaacgatacgccccctcc 1320
Sbjct: 1662 ggttccaagggtcggtcgagatgctcgcaaggggcaggggaaacgatacgccccctcc 1721

Query: 1321 ttcccagaaggcgccggatccatcacgtccacgttggctggaggctgaaacgtctgtctgct 1380
Sbjct: 1722 ttcccagaaggcgccggatccatcacgtccacgttggctggaggctgaaacgtctgtctgct 1781

Query: 1381 ggccagaacaaggacaacacgtctggacgttgcactccggcggtttagatttcgtcgcaaaaggta 1440
Sbjct: 1782 ggccagaacaaggacaacacgtctggacgttgcactccggcggtttagatttcgtcgcaaaaggta 1841

Query: 1441 ggccgtgcgtctggacgttgcactccggcggtttagatttcgtcgcaaaaggta 1500
Sbjct: 1842 ggccgtgcgtctggacgttgcactccggcggtttagatttcgtcgcaaaaggta 1901

Query: 1501 gggaaaggtttgagtttgaggattttcaccgcaatagtgttttagatttcgtgaaacg 1560
Sbjct: 1902 gggaaaggtttgagtttgaggattttcaccgcaatagtgttttagatttcgtgaaacg 1961

Query: 1561 atgtgcaatatacggttaaagactatcacggctggacaggctgcaaaaggcaacgg 1620
Sbjct: 1962 atgtgcaatatacggttaaagactatcacggctggacaggctgcaaaaggcaacgg 2021

Query: 1621 gtgtggcaaccatcacgtggcgctaaaaagggtaaaaatttccggtaaaaaag 1680
Sbjct: 2022 gtgtggcaaccatcacgtggcgctaaaaagggtaaaaatttccggtaaaaaag 2081

Query: 1741 caaagaaatacaccgaaacacttaacacggcaagtatatggtaaaggcgtatgtaaaaacatg 1800
 Sbjct: 2142 caaagaaatacaccgaaacacttaacacggcaagtatatggtaaaggcgtatgtaaaaacatg 2201

Query:	1801	aatgaccctcagaataatcagcgcattagcgtgaaggttacggacttacgcgtatgctttat	1860
Sbjct:	2202	aatgaccctcagaataatcagcgcattagcgtqaacttacggacttacgcgtatgctttat	2261

Query: 2041 gcaactttagggccgaaaggctataacggtaaaaaacttagaaactggaggaaa 2100
 Sbjct: 2442 gcaactttagggccgaaaggctataacggtaaaaaacttagaaactggaggaaa 2501

Query: 2101 atagggaacgtg 2112
Sbjct: 2502 atacccaaccc 2513

CPU time: 0.02 user secs. 0.02 sys. secs 0.04 total secs.

Gapped	1.33	0.621	1.12
Lambda	1.33	K	H

Matrix: blastn matrix:1 -2
Gap Penalties: Existence: 5, Extension: 2
Number of Sequences: 1
Number of Hits to DB: 704
Number of extensions: 18
Number of successful extensions: 13
Number of sequences better than 10.0: 1
Number of HSP's better than 10.0 without gapping: 1
Number of HSP's gapped: 1
Number of HSP's successfully gapped: 1
Number of extra gapped extensions for HSPs above 10.0: 0
Length of query: 2112
Length of database: 12,527,565,053
Length adjustment: 27
Effective length of query: 2085
Effective length of database: 12,527,565,026
Effective search space: 26119973079210
Effective search space used: 26119973079210
Neighboring words threshold: 0
Window for multiple hits: 0
X1: 11 (21.1 bits)
X2: 26 (50.0 bits)
X3: 26 (50.0 bits)
S1: 12 (23.8 bits)
S2: 22 (43.0 bits)